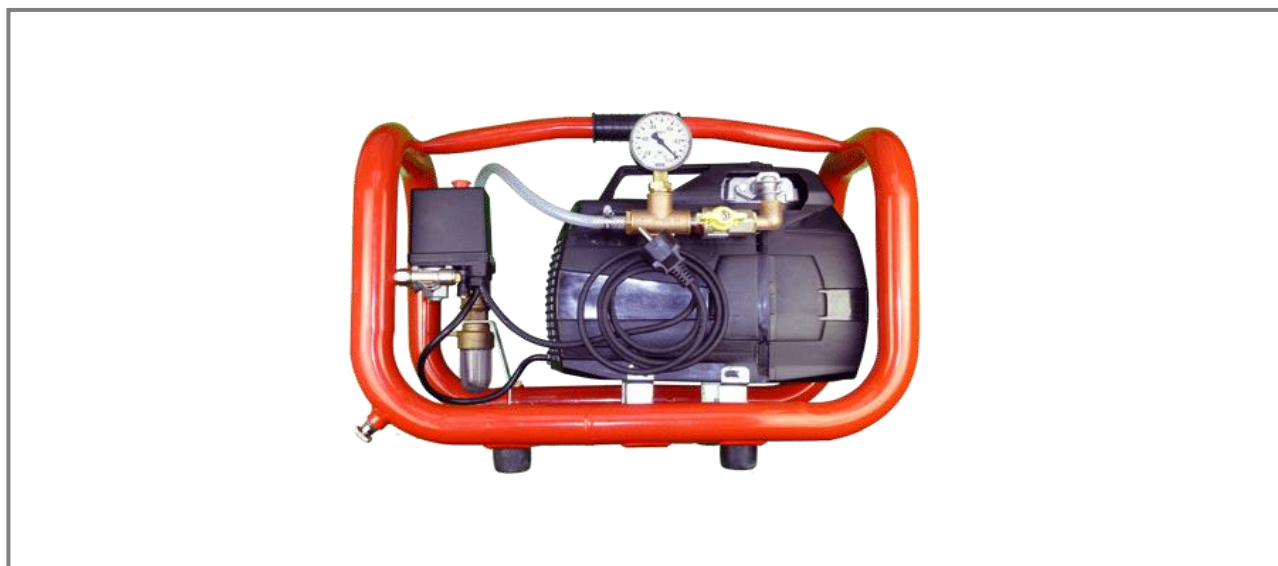


Documentation

Overpressure/Vacuum pump ÜVP/VP 218



Read the instructions before starting any work

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1. General information

1.1 Marking on the product

The overpressure/vacuum pump is marked with a CE sticker.

1.2 Unpacking

There may be pieces of metal on the packaging; always wear protective gloves. Lift the overpressure/vacuum pump manually with the help of another person and check whether the overpressure/vacuum pump is complete and free of damage.

1.3 Erection

Always erect the pump with clearance of **at least 50 cm** to any obstruction which could obstruct the flow of air and thus hinder the cooling process.

1.4 Disposal

Keep the packaging for a possible relocation for at least the duration of the warranty period.

Both the packaging material and the overpressure/vacuum pump, including all its parts, must only be disposed of at the designated centres.

2. Safety

The overpressure/vacuum pump must **only** be used as a source for generating negative pressure – any other used is prohibited. In case of improper or incorrect use which does not correspond with the instructions for use, the manufacturer cannot be made liable for any damage.

2.1 Intended use

Find out how you stop the overpressure/vacuum pump and how you use all the controllers.

Make absolutely sure that all parts have been re-installed correctly after maintenance work.

Keep children and animals away from the operating area.

If you use the overpressure/vacuum pump for an extended period and remain close to it in the process, it is advisable to use ear plugs.

2.2 Responsibility of the user

Do not touch the head, the cylinders, the cooling fins or the supply line. During operation they can reach very high temperatures and may remain hot for a certain amount of time even after switching off the device.

Do not place any combustible materials near to and/or on the overpressure/vacuum pump.

Do not use the overpressure/vacuum pump if the mains cable is faulty or if the power connection is not established correctly.

Do not allow anyone to use the overpressure/vacuum pump without having received suitable training on use beforehand.

Do not strike the flywheel or the fans with blunt or metal objects. This may cause them to break during operation.

Do not put the overpressure/vacuum pump into operation without the condensate trap and liquids barrier.

When using the overpressure/vacuum pump, make sure that no inadmissible pressure/vacuum is produced which might damage the tank/pipe or their interstitial spaces.



The device must not be used in a potentially explosive atmosphere. Potentially explosive vapour and air mixtures MUST NOT UNDER ANY CIRCUMSTANCES be suctioned.

Do not use the overpressure/vacuum pump at temperatures lower than 0 °C. (Temperature range: +5 °C to +45 °C).

2.3 Motor protection

The overpressure/vacuum pump is equipped with a motor circuit breaker which breaks the power supply automatically in case of an overload. In this case, switch off the power supply and wait for a few minutes before you reset the motor protection switch (fig. 2) and re-start the device. If the circuit breaker triggers again, disconnect the power supply and contact an authorised customer service agent.



3. Use of the overpressure/vacuum pump

3.1 Installation

Check whether the mains voltage matches the voltage specified on the CE marking.

The overpressure/vacuum pump is equipped with a type CEE 7 plug connector. If necessary, have it replaced by specialist staff.

Always check whether the on/off switch is in the 0/OFF position before you connect the plug connector (fig. 1).

3.2 Switching on

Plug in the plug connector and start the device with the on-off switch.

Always and exclusively use the switch (set to "OFF") to stop the overpressure/vacuum pump.



4. Maintenance

Before you perform any maintenance work, switch off the overpressure/ vacuum pump.

According to §15 BetrSichV a plant in need of monitoring is only to be started after it has been subjected to a test before startup. Furthermore, recurring inspections according to §16 BetrSichV have to be performed. Such tests shall be carried out by an approved monitoring body or a qualified person. For more details see BetrSichV.

5. Troubleshooting

Fault	Remedy
<p>1. The overpressure/vacuum pump stops and will not re-start.</p>	<p>1. Switch off the power and after a few minutes press the switch for the motor circuit breaker. If the motor circuit breaker triggers again after restarting, contact the technical customer service department.</p>
<p>2. The overpressure/vacuum pump heats up excessively.</p>	<p>1.1 The motor coil has burned through; contact a customer service agent.</p>
<p>3. The overpressure/vacuum pump is very loud and emits rhythmic, metallic blows.</p>	<p>2. The cylinder head seal or valve is damaged. Stop the overpressure/vacuum pump immediately and contact the technical customer service department.</p>
<p>4. The vacuum pump VP 218 does not build up any negative pressure on the monitoring chamber</p>	<p>3. The slide bush or the bearing bush has seized up. Stop the overpressure/vacuum pump immediately and contact the technical customer service department.</p>
<p>5. The overpressure pump ÜVP 218 does not build up any overpressure on the monitoring chamber</p>	<p>4. Liquid is suctioned and the liquids barrier has closed. Empty the condensate trap and move the liquids barrier back into the initial position (free passage)</p> <p>4.1 Open the shut-off valve (fig. 1)</p> <p>5. The liquid stop has blocked the suction line. Bring the floater inside the liquid stop back into normal position (free passage).</p> <p>5.1 The pressure regulator at the pressure line is completely closed. Open the pressure regulator.</p>

6. Figures

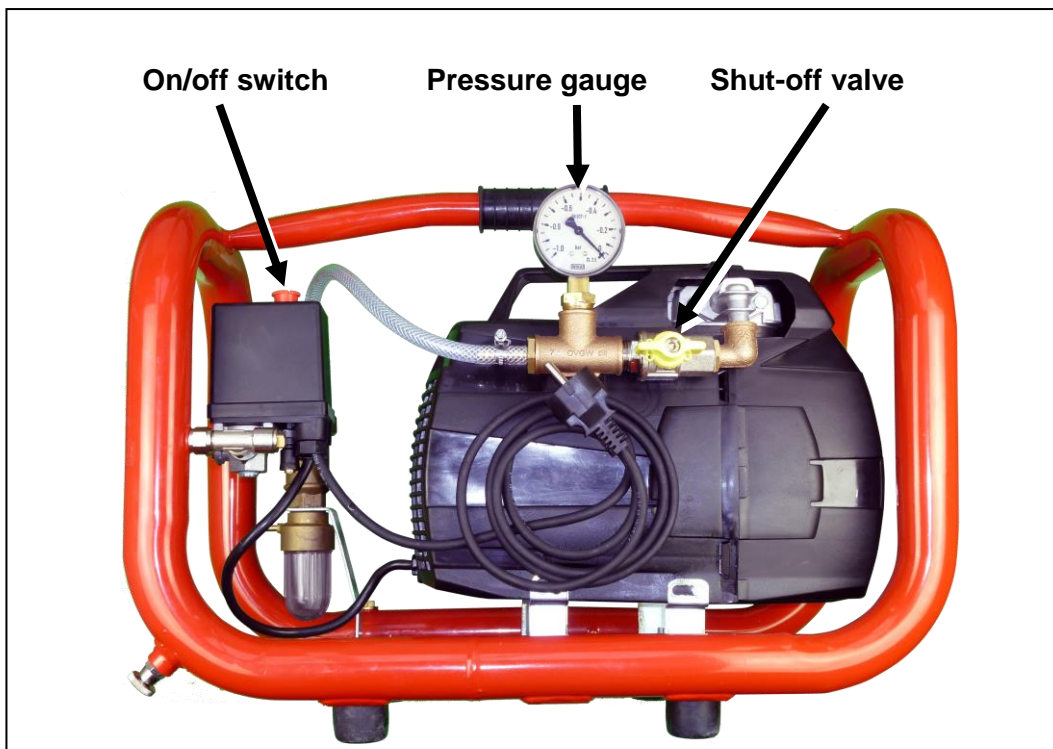


Figure 1 (refers to ÜVP 218 and VP 218)

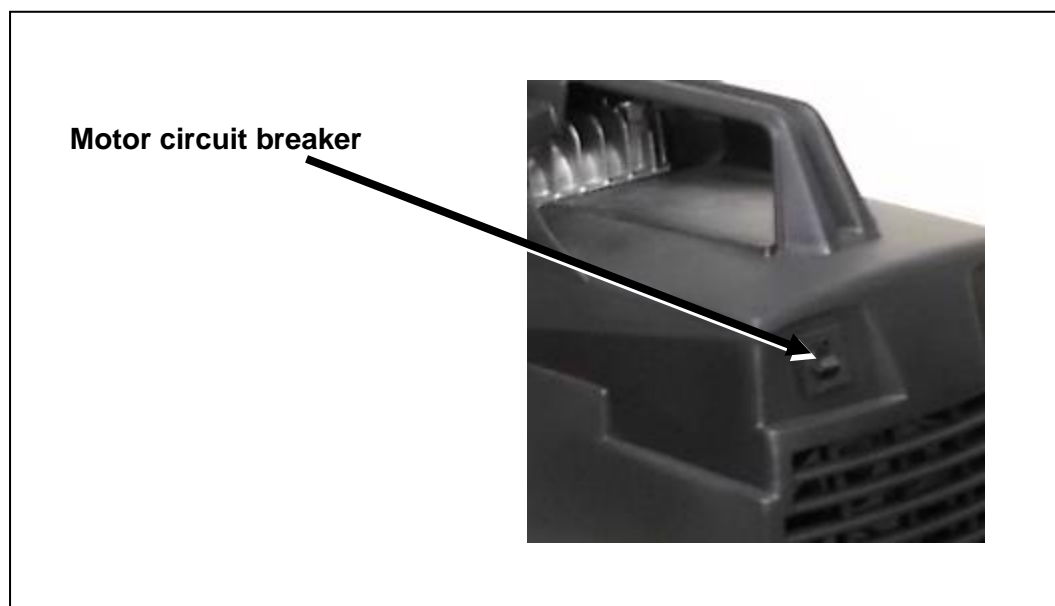


Figure 2 (refers to ÜVP 218 and VP 218)

Connections to overpressure pump ÜVP 218

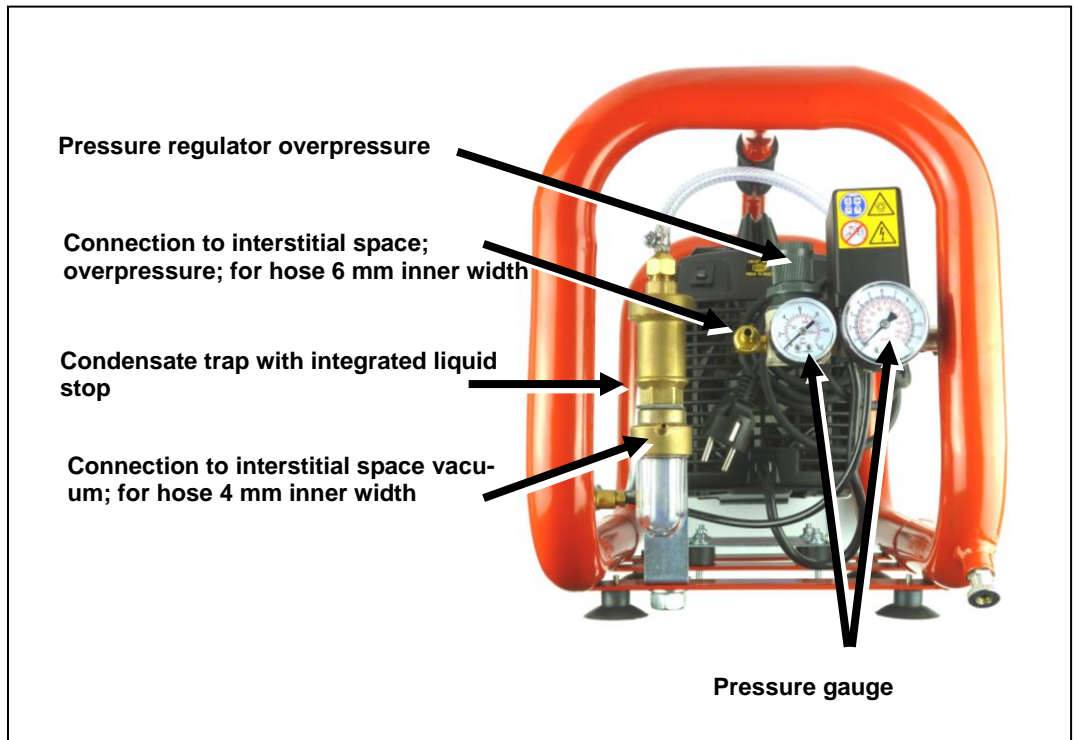


Figure 3

Connections to vacuum pump VP 218

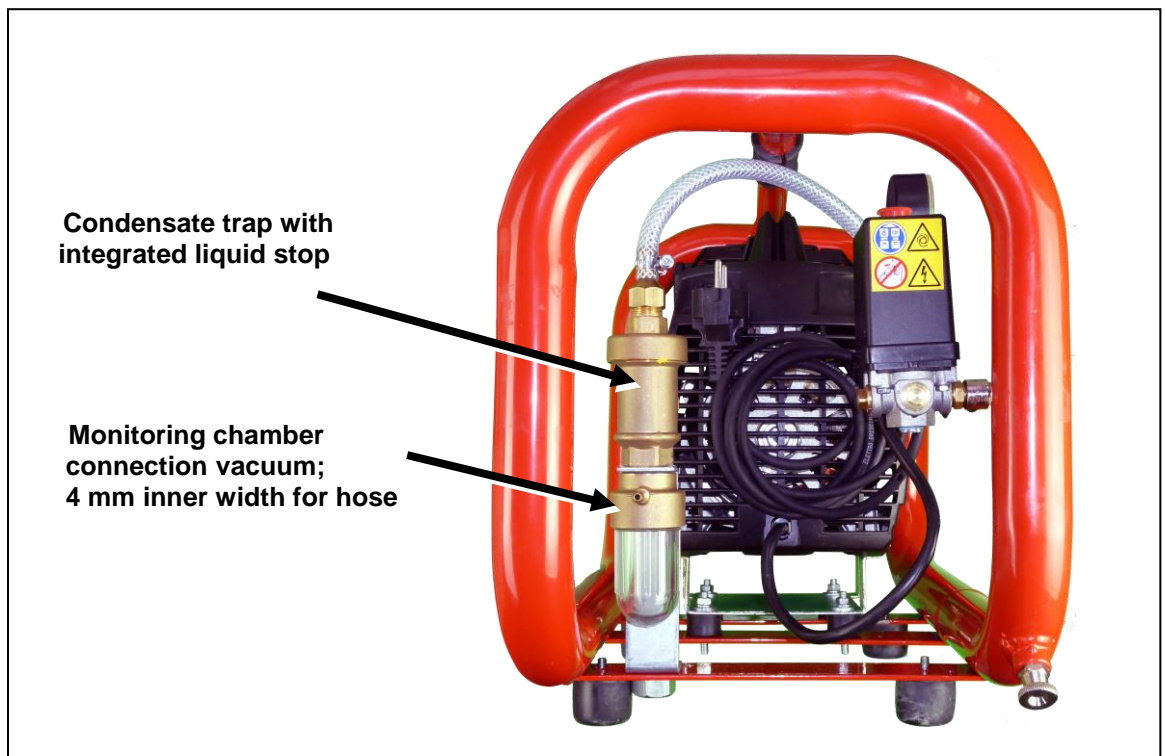
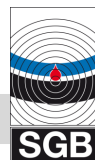


Figure 4



7. Declaration of conformity

We hereby declare,

SGB GmbH

Hofstraße 10

57076 Siegen, Germany

under sole responsibility, that the overpressure/vacuum pump

ÜVP/VP 218

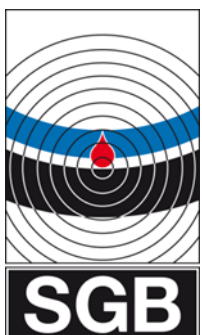
complies with the basic requirements of the EC directives listed below.

This declaration will become null and void in case of any change to the device not approved by us.

Directive	Meaning
98/37/EC (until 28.12.2009)	Machinery directive
2006/42/EC (from 29.12.2009)	Machinery directive
2000/14/EC	Noise emissions in the environment
2006/95/EC	Low voltage directive
2004/108/EC	EMC directive
EN1012-1	Compressors and vacuum pumps - Safety requirements - Part 1: Air compressors; German version EN1012-1:2010
EN60204-1	Safety of machinery - Electrical equipment of machines - Part 1: General requirements
EN60335-1	Household and similar appliances - Safety - Part 1: General requirements
EN61000-6-3/4	EMC generic standard, EN61000-6-3 Emission standard for residential, commercial and light-industrial environments, EN61000-6-4 Emission standard for industrial environments

Compliance is declared by

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(Managing Director)



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